

REPLACEMENT PARAGRAPHS

Replace the 4th paragraph on page 11, beginning at line 11, with:

What has been described is one of the ways by which the analog modem transmit power level can be adjusted. It should be noted that the transmit power level is also determined by the transmit constellation. However, the transmit constellation itself is hard to change to obtain different upstream transmit powers, since its modification will change the error probability of the upstream receiver. Therefore, in general, only mapping parameters are modified to change upstream transmit ^{power.}

Replace the 2nd paragraph on page 12, beginning at line 6, with:

In the above section a technique for PCM downstream spectral shaping or precoding of data signals is described. In this section there is described a precoding technique for PCM upstream precoding of data signals.

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OCT 11 2001
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